Custom Development

Functional Specification – Definition	
(Please do not modify the data in this table, it is set on the server using the Properties Page, then populated here)	
Phase	Analysis

Start Date	January 1, 2001 12:00:00 AM PST	Stop Date	October 26, 2004
Priority	Low	Deliverable ID	**OIFOM025**

Functional Specification – Header	
Associated Activity	N/A
Technical Design	N/A

Related Documents

Please insert links to related Documents (Process Model Reference)

Related Document	Comment
OIFOM025_Outbound mapping.xls	Outbound File layout specification.

Functional Specification Description

This is an outbound interface which provides agency specific information for all jobs and job titles effective as of the interface execution date from SAP R/3 system to the agency shadow system. This interface currently provides Job/Job Title information to the following departments:

1. Department of Personnel (INET Recruitment)
2. Department of Social & Health services
3. Department of Transportation

This interface has been designed so that additional agencies can receive this information in the future.

The following job related data is sent:

1. Organizational Unit
2. Position
3. Personnel Area
4. Job Title
5. Job
6. Effective date (Start date and End date)
7. Pay Range information

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The selection criterion for this interface will be Personnel Area which defines a specific agency/sub agency's jobs/job titles effective for the current date. The highest Organizational unit in an agency will be used as a root object for the evaluation path.

This is a new custom interface which will take a new fixed width, field text file format driven by SAP field types, and lengths. The agencies will be required to make the necessary changes to their existing systems in order to accept the interface file. This interface produces a full file each time the interface is run. This interface will be executed once for each agency on a monthly basis

This interface output file will include a single record per job containing the Organizational unit data (Object type O), job data (Object type C) and also the pay scale data.

These files are transferred through an outbound interface on to a secure FTP server. The agencies are required to pull the files from that server.

Development Information

Estimated Hours:
Tech Design – 14 Hrs
Build & Test – 74Hrs

Estimated Production Date: 01/01/05

Comments: This is on outbound interface basically designed for the above mentioned agencies. Eventually this may be used by additional agencies as needed.

Development Complexity (High/Medium/Low):   Low

General Requirements
 Related RICEF objects: None

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Assumptions:
1. Each Agency will install a client to pull this file from the secured FTP server.
2. Agencies will develop the bridging interface (cross walk) to translate the proposed file format into any format needed by shadow systems.
3. Jobs have been properly configured, tested, and transported to the production instance with accurate, complete data in the fields extracted by this interface

Audit/Checks:
This interface will produce an audit report detailing any data discrepancies discovered while generating the interface file. The control total for this interface is number of records written. The audit report has a date and time stamp.

Transaction Volume: Based on the number of jobs configured by agency.

Frequency (Annual/Bi-monthly, Daily, Hourly, Quarterly, Semi-Annual, Weekly, Monthly): Monthly

Processing Type (Batch/On-Line): Batch

Initiating process: Scheduled batch job to run on the first workday of every month.

Initiating Transaction/Program: N/A

Distribution: Through an outbound interface the file is moved to a secured FTP server. Agency pulls the file from the server.

Output (Online/Print/Spreadsheet): Audit report will be sent to spool file.

Summary Level (Detail/Drill Down/Summary): N/A

Audience: Refer to Source/Destination system contact below.

Module: Organizational Management (OM).

Retention Requirements: Production files will be retained for at least 31 days.

From System(s): SAP R/3

To System(s): Shadow systems maintained by the following agencies: DOP, DSHS, DOT, and General Administration.

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Responsible Organizations:

	Name	Phone #	Location
Process Owner	Todd Jenkins	360-664-6372	DOP
Source System Contact	Todd Jenkins	360-664-6372	DOP
Destination System Contact	Hoa Ly	360-902-8197	DSHS
	Todd Jenkins	360-664-6372	DOP
	Michael Murdock	206-515-3786	DOT
	TBD		DSHS

Existing / Sample Programs, Reports, & Forms

Job/Program Name: P3003111 / B1110041
M6040111 / B1111500
P0635111 / B1113608

Menu / Transaction: CA7 Schedule controlled
- P3003111   - triggered by M6040111 (the night after Cycle 2 Stagger B - P1028111)
- M6040111 - submitted by CA7 on the night following Cycle 2's Stagger "B" P1028111.
- P0635111   - submitted by CA7 on the first workday of the Month at 6:00PM. DOT can submit this job anytime thru their CLIST

Legacy Report/Form name:
- Report M5006 -(Dept of Personnel Classification Listing from M6040111/B1111500 for Merit System 1/3) DIS Form # 0001.
- Report B1110650-01 (Merit system 5 Classification Listing from M6040111/B1110650) DIS Form # 0001.
- Report M6040111 (Month-End Pers Preproc).
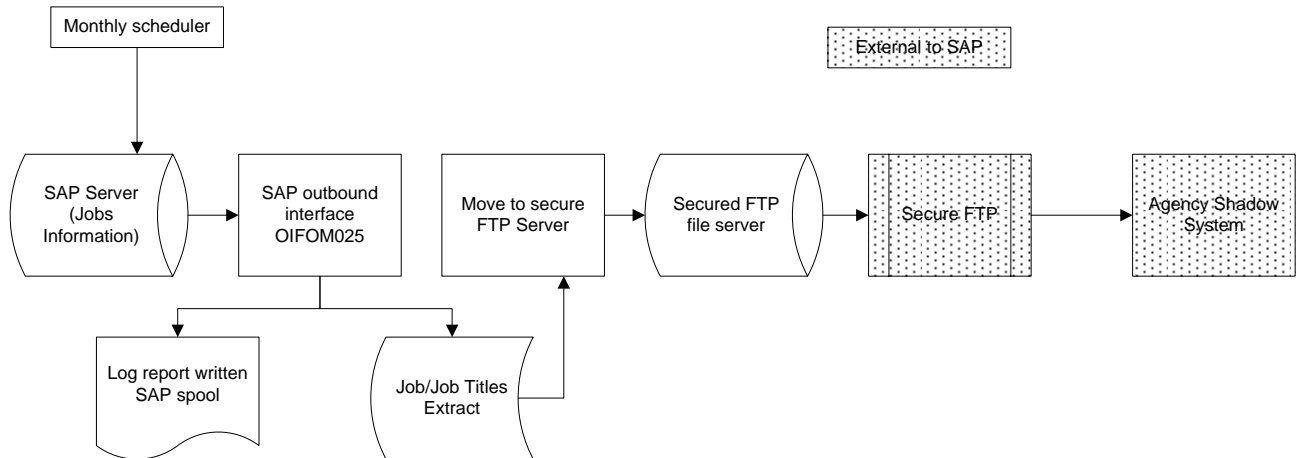
Legacy Program Title: N/A

Legacy Report/Form Number: N/A

Legacy File Name: OUT111.SHS300.CLASS
PER111.DOT405.CLASS.CHAR80

Related Transactions: N/A

Design

Process Flow Diagram:

Detailed Description:

This interface is scheduled to run as an off-hours batch process controlled by a scheduler on the first work day of the month executed with its variant (Organizational Unit). The Object ID field will be the variant and will contain the object id of the highest Organizational unit in the agency.

Program Logic:
1. Loop at HRP1000 for selected Organizational Unit. Return Org Unit name, Type, and Abbreviation.
2. At each Organizational unit, loop at HRP 1001 for Positions in that Organizational unit and return Positions.
3. For each position, return the Personnel Area. If blank, get personnel area based on Org unit.
4. At each Position, loop at HRP1001 for Jobs and return Jobs in that Position.
5. For each Job, loop at T513S
   a. Extract all Job, Job Titles, Start date, and End date data from T513S for jobs which are effective as of date.
   b. Based on Jobs return Pay Grade Type, Pay Grade Area, Pay Grade, and Pay Grade Level from HRP1005.

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   c.   Based on Jobs return U.S. Job attributes like Job Category and AAP Category (Affirmative Action Planning) from T5U13.

       End Loop

  End Loop.

6. After processing all the Jobs in the top Organizational unit of an agency, Positions, and jobs will be returned and written to the output file.
7. Sort by organizational units, jobs, and job titles.
8. Write the file.
9. Write control totals to the Audit report.

The extract file is sent to a secure server via FTP and then the agency will pull the file from the secure server.

Performance Considerations: None

Security Requirements: The interface is run for one agency at a time and each agency should receive the file as per the execution variant (Organizational unit).

Mapping: OIFOM025_Outbound mapping.xls

Design Constraints: None

Report Layout:

The spool file contains the report contents in normal text. The messages shown in the report layout are indicative of the type of messages that should be in the output.

Washington State DOP
Job Classes Outbound Interface Audit Report

Run date: 05-25-2004
Run time: 19:40:50

Message1	Message2	Message3

Organizational Unit: XXXX

No: of Jobs:	###	###
Total records output	###	###

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Selection Criteria: Highest Organizational unit in an agency and selection parameter for file location and name.

Main Heading: N/A

Sub Heading: N/A

Totaling: N/A

Sorting: Org Unit, Job, Job Title

Page Breaks: N/A

Extraction Method (IDOC/Custom ABAP): Custom ABAP

Extract File Layout: See mapping section

Load Method (IDOC/BDC/Direct Table Update): N/A

Load File Layout: N/A

Interface Type: Outbound

Post Interface Activities:
1. Job to move file to secure FTP server available for the agencies.
2. Job to send email notification to the interface file recipient
3. Production services reviews audit report and looks for data discrepancies and corrects them.
4. Rerun the batch interface if necessary.

Testing Requirements

Key Business Test Conditions:
1. Verify that the program determines the agency represented by the organizational unit from the selection variant correctly.
2. Test different Object Ids (organizational units) as selection variant for different agencies.
3. Test the output file for the expected fields.
4. Test audit report display in online and batch modes.

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5. Test control totaling.
6. FTP the file to a secured server.

Error Handling

Potential Errors: If the interface ends abnormally or if the output file does not reach the target systems rerun the interface.

Notification Procedures:

Internal – HRISD production services checks interface batch job status and reviews audit logs as part of normal operating procedures

External – An email is sent to the requesting agency when its outbound interface file has been moved to the secured FTP server.

Outstanding Issues or questions:
 None

Revision History

Date	Section	Description of change
7/13/2004	General Requirements	Frequency added
7/13/2004	General Requirements	Retention requirements added
10/12/2004	Functional Specification Requirements & Design	File format and selection criteria based in FD walkthrough. SAP data source for outbound file fields (Interface Workshop on 9/22/04)
10/21/2004	Functional Specification Requirements & Design	Added changes from Sherrie Ilg and implement the data type documentation standards in mapping file

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